As outcomes, Year 5 pupils should, for example:

## Informal written methods

Use pencil and paper methods to support, record or explain calculations, achieving consistent accuracy. Discuss, explain and compare methods.

Where calculations are set out in columns, know that units should line up under units, and so on...

HTU + HTU, then ThHTU + ThHTU
For example:


B: compensation (add too much, take off)
654
$+\quad 286$
$954(654+300)$
$-14(286-300)$
940

## Standard written methods

Continue to develop an efficient standard method that can be applied generally. For example:

C: using 'carrying'

$$
\begin{array}{r}
587 \\
+\frac{475}{\frac{1062}{11}}
\end{array}+\begin{array}{r}
3587 \\
\frac{675}{111}
\end{array}
$$

Extend method to numbers with at least four digits.

Using similar methods, add several numbers with different numbers of digits. For example, find the total of:

$$
58,671,9,468,2187 .
$$

## Extend to decimals

Using the chosen method, add two or more decimal fractions with up to three digits and the same number of decimal places. Know that decimal points should line up under each other, particularly when adding or subtracting mixed amounts such as $3.2 \mathrm{~m} \pm 350 \mathrm{~cm}$. For example:

$$
£ 6.72+£ 8.56+£ 2.30
$$

$$
72.5 \mathrm{~km}+54.6 \mathrm{~km}
$$

## As outcomes, Year 6 pupils should, for example:

Informal written methods
Use pencil and paper methods to support, record or explain calculations, achieving consistent accuracy. Discuss, explain and compare methods.

Where calculations are set out in columns, know that units should line up under units, and so on...

ThHTU + ThHTU, then numbers with
any number of digits
For example:
A: adding the most significant digits first
$\left.\begin{array}{r}7648 \\ \frac{1486}{8000} \\ 1000 \\ 120 \\ \frac{14}{9134}\end{array} \quad \begin{array}{r}6584 \\ \hline 11000 \\ \hline 1300\end{array}\right]$

B: compensation (add too much, take off)
6467
$+\quad \underline{2684}$
9467 ( $6467+3000)$
-316 (2684-3000)
9151

Standard written methods
Continue to develop an efficient standard method that can be applied generally. For example:

C: using 'carrying'
$\begin{array}{r}7648 \\ +\quad \frac{1486}{9134} \\ \hline 111\end{array}+\begin{array}{r}6584 \\ \frac{5848}{12432}\end{array}$

Extend method to numbers with any number of digits.

Using similar methods, add several 42 numbers with different numbers of digits. 6432 For example, find the total of: ${ }_{3}$

$$
42,6432,786,3,4681 . \quad \frac{4681}{11944}
$$

## Extend to decimals

Using the chosen method, add two or more decimal fractions with up to four digits and either one or two decimal places. Know that decimal points should line up under each other, particularly when adding or subtracting mixed amounts such as $14.5 \mathrm{~kg} \pm 750 \mathrm{~g}$. For example:

$$
\begin{aligned}
& 124.9+7.25 \\
& 401.2+26.85+0.71
\end{aligned}
$$

